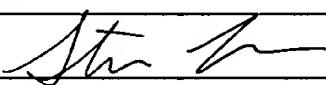
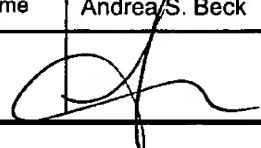
2814
9

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number	09/747,779
		Filing Date	December 22, 2000
		First Named Inventor	Kim, Hong Koo
		Art Unit	2814
		Examiner Name	Marcos D. Pizarro Crespo
Total Number of Pages in This Submission:		Attorney Docket Number	000939-073311US

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ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard
		Remarks
The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual	Townsend and Townsend and Crew LLP Steve Y. Cho	
Signature		
Date	2/27/04	

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name	Andrea S. Beck	
Signature		Date 2/23/04

CIP
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PATENT & TRADEMARK OFFICE

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 110)

Complete if Known	
Application Number	09/747,779
Filing Date	December 22, 2000
First Named Inventor	Kim, Hong Koo
Examiner Name	Marcos D. Pizarro Crespo
Art Unit	2814
Attorney Docket No.	000939-073311US

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MAR 08 2004

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None

Deposit Account:

Deposit Account Number **20-1430**

Deposit Account Name **Townsend and Townsend and Crew LLP**

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)

(\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Fee from below		Fee Paid
			Extra Claims	X	

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$)

** or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)					
3. ADDITIONAL FEES					
Large Entity	Fee Code	Small Entity	Fee Code	Fee Description	Fee Paid
	1051	130	2051	65 Surcharge - late filing fee or oath	
	1052	50	2052	25 Surcharge - late provisional filing fee or cover sheet.	
	1053	130	1053	130 Non-English specification	
	1812	2,520	1812	2,520 For filing a request for reexamination	
	1804	920*	1804	920* Requesting publication of SIR prior to Examiner action	
	1805	1,840*	1805	1,840* Requesting publication of SIR after Examiner action	
	1251	110	2251	55 Extension for reply within first month	110
	1252	420	2252	210 Extension for reply within second month	
	1253	950	2253	475 Extension for reply within third month	
	1254	1,480	2254	740 Extension for reply within fourth month	
	1255	2,010	2255	1,005 Extension for reply within fifth month	
	1401	330	2401	165 Notice of Appeal	
	1402	330	2402	165 Filing a brief in support of an appeal	
	1403	290	2403	145 Request for oral hearing	
	1451	1,510	1451	1,510 Petition to institute a public use proceeding	
	1452	110	2452	55 Petition to revive – unavoidable	
	1453	1,330	2453	665 Petition to revive – unintentional	
	1501	1,330	2501	665 Utility issue fee (or reissue)	
	1502	480	2502	240 Design issue fee	
	1503	640	2503	320 Plant issue fee	
	1460	130	1460	130 Petitions to the Commissioner	
	1807	50	1807	50 Petitions related to provisional applications	
	1806	180	1806	180 Submission of Information Disclosure Stmt	
	8021	40	8021	40 Recording each patent assignment per property (times number of properties)	
	1809	770	2809	385 Filing a submission after final rejection (37 CFR § 1.129(a))	
	1810	770	2810	385 For each additional invention to be examined (37 CFR § 1.129(b))	
	1801	770	2801	385 Request for Continued Examination (RCE)	
	1802	900	1802	900 Request for expedited examination of a design application	
Other fee (specify)					
*Reduced by Basic Filing Fee Paid					SUBTOTAL (3) (\$110)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Steve Y. Cho	Registration No. (Attorney/Agent)	44,612	Telephone	650-326-2400
Signature				Date	2/23/04

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

PROVISIONAL APPLICATION

Attorney Docket No. 000939-073310US

"Express Mail" Label No. EL496155617US
Date of Deposit: 12/27/04

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above, addressed to:

Assistant Commissioner for Patents
Box Provisional Patent Application
Washington, D.C. 20231

By: *Tim Becker* *Paid*

ASSISTANT COMMISSIONER FOR PATENTS
BOX PROVISIONAL PATENT APPLICATION
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is a provisional patent application under CFR 1.53(b)(2) of:

LAST NAME	FIRST NAME	MIDDLE INITIAL	RESIDENCE (City/State/Country)
Kim	Hong Koo		Pittsburgh, Pennsylvania, United States

Title: FABRICATION METHOD AND STRUCTURE FOR FERROELECTRIC NONVOLATILE MEMORY FIELD EFFECT TRANSISTOR

Enclosed are:

[X] 5 pages specification.
[X] 3 pages claims.
[X] 1 page Abstract.
[X] 16 sheet(s) of [] formal [X] informal drawing(s).
[X] Attached article titled "Growth of highly oriented Pb(Zr,Ti)O₃ films on MgO-buffered oxidized Si substrates and its application to ferroelectric nonvolatile memory field-effect transistors".
[X] Information Disclosure Statement (including Form PTO-1449 and 14 refs.)
[] A verified statement to establish small entity status under 37 CFR 1.9 and CFR 1.27.
[] The invention was made by or under a contract with the following agency of the United States Government:
_____ under Government contract number _____

[X] Postcard

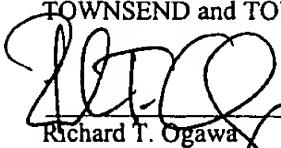
Please charge Deposit Account No. 20-1430 as follows:

[X] Filing fee \$ 150.00
[X] Any additional fees associated with this paper or during the pendency of this application.

2 extra copies of this sheet are enclosed.

Respectfully submitted,

TOWNSEND and TOWNSEND and CREW LLP


Richard T. Ogawa
Reg. No. 37,692
Attorneys for Applicant

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